



2022 World Championship Sr & College RoboMed Judges May 6, 2022

Dr. Yawen Li is Associate Professor and Chair of the Biomedical Engineering Department at Lawrence Technological University (LTU). She received her bachelor's and master's degrees from Xi'an Jiaotong University, and Ph.D. degree from MIT, all in Materials Science and Engineering. She completed a postdoc fellowship in the Center for Engineering in Medicine affiliated with Harvard Medical School and Massachusetts General Hospital before joining LTU. She has been involved with youth robotics since 2016, coaching First Lego League and First Tech Challenge teams, and volunteering in Robofest and First Tech Challenge competitions.

Dr. Hao Jiang is an Assistant Professor of Biomedical Engineering at Lawrence Technological University. He received his B.S. degree in Electronics from Peking University (Beijing, China), and holds M.E.Sc. and Ph.D. degrees in electrical engineering from Western University (London, Ontario, Canada). During 2012-2013, he worked as a MITACS postdoctoral research fellow at University of Victoria (Victoria, British Columbia, Canada) where he studied non-linear effects and optical trapping of biomolecules using an optical antenna. During 2013 - 2019, he has worked as a postdoctoral research fellow at Simon Fraser University (Vancouver, British Columbia, Canada). He invented and patented a portfolio of technologies on structural color image display devices based on nano-optical metasurfaces. These works have been published in high-impact journals and highlighted in news stories. Dr. Jiang's research interests include biomedical sensors, nanotechnology, optics, electronics, computational electromagnetics, and medical devices.